

10/541588

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/541,588
Source: PCT
Date Processed by STIC: 3/14/06

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/14/2006

PATENT APPLICATION: US/10/541,588

TIME: 11:07:00

Input Set : A:\p28165.ST25.txt

Output Set: N:\CRF4\03142006\J541588.raw

```

3 <110> APPLICANT: SUZUKI, Tsutomu
5 <120> TITLE OF INVENTION: Method for Producing siRNA
7 <130> FILE REFERENCE: P28165
9 <140> CURRENT APPLICATION NUMBER: 10/541,588
10 <141> CURRENT FILING DATE: 2005-07-07
12 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/000046
13 <151> PRIOR FILING DATE: 2004-01-07
15 <150> PRIOR APPLICATION NUMBER: JP2003-002124
16 <151> PRIOR FILING DATE: 2003-01-08
18 <160> NUMBER OF SEQ ID NOS: 8
20 <170> SOFTWARE: PatentIn version 3.3
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 91
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: DNA template in synthesis of shRNA
30 <400> SEQUENCE: 1
31 aactggactt ccagaagaac actatgcttg ttcttctgga agtccagccc tatagtgagt      60
33 cgtattagcg aagctaatac gactcactat a                                     91
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 17
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: T7 RNA polymerase promoter region
44 <400> SEQUENCE: 2
45 taatacgact cactata                                                    17
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 19
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: portion of a DNA sequence encoding a human laminin A/C
protein
56 <400> SEQUENCE: 3
57 ctggacttcc agaagaaca                                                    19
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 44
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: portion of an oligonucleotide for preparing an shRNA or siRNA
68 <400> SEQUENCE: 4

```

RAW SEQUENCE LISTING

DATE: 03/14/2006

PATENT APPLICATION: US/10/541,588

TIME: 11:07:00

Input Set : A:\p28165.ST25.txt

Output Set: N:\CRF4\03142006\J541588.raw

```

69 ccctatagtg agtcgtatta gcgaagctaa tacgactcac tata 44
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 91
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: oligonucleotide for preparing an shRNA or siRNA
81 <220> FEATURE:
82 <221> NAME/KEY: misc_feature
83 <222> LOCATION: (3)..(21)
84 <223> OTHER INFORMATION: n is a, c, g, or t
86 <220> FEATURE:
W--> 87 <221> NAME/KEY: n
88 <222> LOCATION: (29)..(47)
89 <223> OTHER INFORMATION: n29 to n47 comprises a sequence that is antisense to the
sequence
90 of n3 to n21.
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (29)..(47)
95 <223> OTHER INFORMATION: n is a, c, g, or t
97 <400> SEQUENCE: 5
W--> 98 aaaaaaaaaa nnnnnnnnnn nctatgctnn nnnnnnnnnn nnnnnnnccc tatagtgagt 60
100 cgtattagcg aagctaatac gactcactat a 91
103 <210> SEQ ID NO: 6
104 <211> LENGTH: 50
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: shRNA oligonucleotide
112 <220> FEATURE:
113 <221> NAME/KEY: misc_feature
114 <222> LOCATION: (4)..(22)
115 <223> OTHER INFORMATION: n is a, c, g, t or u
117 <220> FEATURE:
W--> 118 <221> NAME/KEY: n
119 <222> LOCATION: (30)..(48)
120 <223> OTHER INFORMATION: n30 to n48 comprises a sequence that is antisense to the
sequence
121 of n22 to n4
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <222> LOCATION: (30)..(48)
126 <223> OTHER INFORMATION: n is a, c, g, t or u
128 <400> SEQUENCE: 6
W--> 129 gggnnnnnnn nnnnnnnnnn nnagcauagn nnnnnnnnnn nnnnnnnnuu 50
132 <210> SEQ ID NO: 7
133 <211> LENGTH: 21
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial sequence
137 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 03/14/2006

PATENT APPLICATION: US/10/541,588

TIME: 11:07:00

Input Set : A:\p28165.ST25.txt

Output Set: N:\CRF4\03142006\J541588.raw

```

138 <223> OTHER INFORMATION: siRNA oligonucleotide
141 <220> FEATURE:
142 <221> NAME/KEY: misc_feature
143 <222> LOCATION: (1)..(19)
144 <223> OTHER INFORMATION: n is a, c, g, t or u
146 <400> SEQUENCE: 7
W--> 147 nnnnnnnnnnnn nnnnnnnnnna g 21
150 <210> SEQ ID NO: 8
151 <211> LENGTH: 21
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: siRNA oligonucleotide
159 <220> FEATURE:
W--> 160 <221> NAME/KEY: n
161 <222> LOCATION: (1)..(19)
162 <223> OTHER INFORMATION: n1 to n19 of SEQ ID NO: 8 comprises a sequence that is
antisense
163 to the sequence of n19 to n1 of SEQ ID NO: 7.
165 <220> FEATURE:
166 <221> NAME/KEY: misc_feature
167 <222> LOCATION: (1)..(19)
168 <223> OTHER INFORMATION: n is a, c, g, t or u
170 <400> SEQUENCE: 8
W--> 171 nnnnnnnnnnnn nnnnnnnnnnu u 21

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/541,588

DATE: 03/14/2006
TIME: 11:07:01

Input Set : A:\p28165.ST25.txt
Output Set: N:\CRF4\03142006\J541588.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,29,30,31
Seq#:5; N Pos. 32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48
Seq#:6; N Pos. 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,30,31,32
Seq#:6; N Pos. 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48
Seq#:7; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19
Seq#:8; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19

VERIFICATION SUMMARY

DATE: 03/14/2006

PATENT APPLICATION: US/10/541,588

TIME: 11:07:01

Input Set : A:\p28165.ST25.txt

Output Set: N:\CRF4\03142006\J541588.raw

L:87 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:98 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:118 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:160 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0